

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
 Data File : VX044678.D
 Acq On : 21 Jan 2025 12:01
 Operator : JC/MD
 Sample : VSTD10058
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100658

Quant Time: Jan 22 01:00:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 22 00:56:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/22/2025
 Supervised By :Semsettin Yesilyurt 01/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	280125	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	242606	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	105996	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	251138	108.222	ug/L	0.00
7) Chloroethane-d5	1.648	69	63540m	95.932	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	100657	110.281	ug/L	0.00
21) 2-Butanone-d5	4.452	46	258559	215.367	ug/L	0.00
24) Chloroform-d	5.050	84	421924	105.593	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.946	65	263015	99.800	ug/L	0.00
32) Benzene-d6	5.964	84	841367	103.916	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.299	67	268412	104.883	ug/L	0.00
41) Toluene-d8	8.641	98	739957	102.231	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	138595	105.671	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	156732	213.176	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	316262	102.519	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	230579	101.227	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	126653	78.134	ug/L	100
3) Chloromethane	1.294	50	158522	80.001	ug/L	99
5) Vinyl chloride	1.374	62	156396	78.758	ug/L	99
6) Bromomethane	1.599	94	35479	75.925	ug/L	98
8) Chloroethane	1.666	64	33886m	93.127	ug/L	
9) Trichlorofluoromethane	1.867	101	136745	76.109	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	123962	82.273	ug/L	97
12) 1,1-Dichloroethene	2.306	96	119197	85.035	ug/L #	64
13) Acetone	2.386	43	109580	150.927	ug/L	98
14) Carbon disulfide	2.501	76	352466	80.114	ug/L	100
15) Methyl Acetate	2.703	43	135617	77.936	ug/L	100
16) Methylene chloride	2.782	84	137603	79.348	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	124566	79.340	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	441144	78.082	ug/L	99
19) 1,1-Dichloroethane	3.599	63	247391	79.645	ug/L	100
20) cis-1,2-Dichloroethene	4.483	96	149478	78.825	ug/L	99
22) 2-Butanone	4.556	43	177649	160.304	ug/L	97
23) Bromochloromethane	4.891	128	73930	79.560	ug/L	94
25) Chloroform	5.086	83	251130	78.899	ug/L	99
27) 1,2-Dichloroethane	6.080	62	198190	80.670	ug/L	98
29) Cyclohexane	5.458	56	226171	77.846	ug/L	99
30) 1,1,1-Trichloroethane	5.373	97	212688	77.325	ug/L	100
31) Carbon tetrachloride	5.666	117	181225	76.693	ug/L	99
33) Benzene	6.031	78	536440	78.720	ug/L	100
34) Trichloroethene	7.116	95	141342	79.685	ug/L	97
35) Methylcyclohexane	7.373	83	230972	79.121	ug/L	99
37) 1,2-Dichloropropane	7.421	63	143752	78.060	ug/L	99
38) Bromodichloromethane	7.818	83	194721	78.084	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	248240	78.388	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	347775	157.464	ug/L	99
42) Toluene	8.714	91	548491	77.696	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	230260	80.364	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.147	97	135653	75.661	ug/L	98
46) Tetrachloroethene	9.269	164	93933	77.305	ug/L	98
48) 2-Hexanone	9.433	43	253879	156.187	ug/L	100
49) Dibromochloromethane	9.518	129	143902	77.508	ug/L	98
50) 1,2-Dibromoethane	9.604	107	145724	79.760	ug/L	96
51) Chlorobenzene	10.073	112	346887	79.634	ug/L	99
52) Ethylbenzene	10.189	91	600677	78.912	ug/L	100
53) m,p-Xylene	10.299	106	224224	78.751	ug/L	98
54) o-Xylene	10.640	106	218776	77.400	ug/L	99
55) Styrene	10.652	104	367050	80.190	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	201981	77.582	ug/L	99
59) Bromoform	10.799	173	99226	74.013	ug/L	99
60) Isopropylbenzene	10.957	105	564507	74.923	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	152103	73.109	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	468935	74.965	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	463320	76.144	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	232285	76.796	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	229095	75.497	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	230803	76.083	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	43891	73.377	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	151635	76.957	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	140328	79.082	ug/L	100
71) Naphthalene	13.774	128	535736	78.808	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	143539	78.772	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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